

PENDING CLAIMS

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1. (currently amended): An image generation method for generating a two-dimensional image by texture mapping to three-dimensional polygons including textures to be mapped to generate an overall pattern on a polygon, and modulation textures, comprising the steps of:

multiplying a texture by a modulation texture generating an overall pattern on said polygons by mapping of basic textures, and
executing by amplitude modulation mapping of modulation textures, amplitude modulation processing on patterns generated based on the mapping of said basic textures.

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2. (currently amended): The image generation method as described in claim 1, wherein in said amplitude modulation processing, multiplying step an amplitude is made smaller with increasing distance from the vicinity of a viewpoint.

3. (currently amended): The image generation method as described in claim 1, wherein a repetition period of said basic textures and a repetition period of said modulation textures are offset from each other.

4. (currently amended): The image generation method as described in claim 1, wherein said modulation textures are texture is set to higher spatial frequencies than those

of said texture basic textures, with color information removed from said texture basic textures.

5. (currently amended): The image generation method as described in claim 1, wherein said modulation textures consist texture consists of different patterns from said texture basic textures.

6. (currently amended): An image generation device for generating a two-dimensional image by texture mapping to three-dimensional polygons, comprising:

a memory means that stores basic textures to be mapped to generate ~~the~~ an overall pattern on a polygon, and modulation textures used to amplitude-modulate the patterns generated by mapping of the basic textures; and

an image processing a multiplying means multiplying a texture by a modulation texture that, ~~by amplitude modulation mapping of modulation textures~~, executes amplitude modulation processing on the patterns generated based on mapping of the basic textures.

7. (currently amended): The image generation device as described in claim 6, wherein in said ~~amplitude modulation processing~~, multiplying the amplitude is made smaller with increasing distance from the vicinity of a viewpoint.

8. (currently amended): The image generation device as described in claim 6,
wherein a repetition period of ~~said basic~~ textures and a repetition period of ~~said~~
modulation textures are offset from each other.

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cont.

9. (currently amended): The image generation device as described in claim 6,
wherein ~~said modulation~~ texture ~~is are~~ set to higher spatial frequencies than those
of ~~said~~ texture ~~basic~~ textures, with color information removed from ~~said~~ texture ~~basic~~
textures.

10. (currently amended): The image generation device as described in claim 6,
wherein ~~said modulation~~ textures ~~consist~~ texture ~~consists~~ of different patterns from ~~said~~
texture ~~basic~~ textures.

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11. (new): The image generation device as described in claim 6, wherein a pixel value
of a modulation texture represents the intensity for multiplying to the pixel value of an
image drawn using said texture.
